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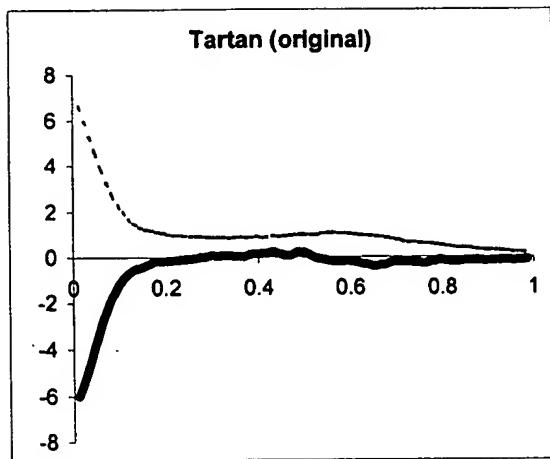
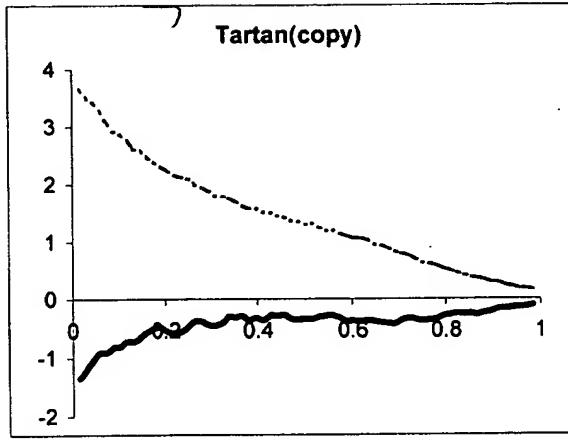
Figure 1a**Figure 1b**

Figure 1: The normalised Histogram Of The Derivative Image (HOTDI) (dotted line) and its first derivative (thick solid line) for a tartan pattern :(a) original, (b) copy.

Note that there is a valley near 0.33 in the HOTDI of the original, but no such feature exists in the histogram of the copy.

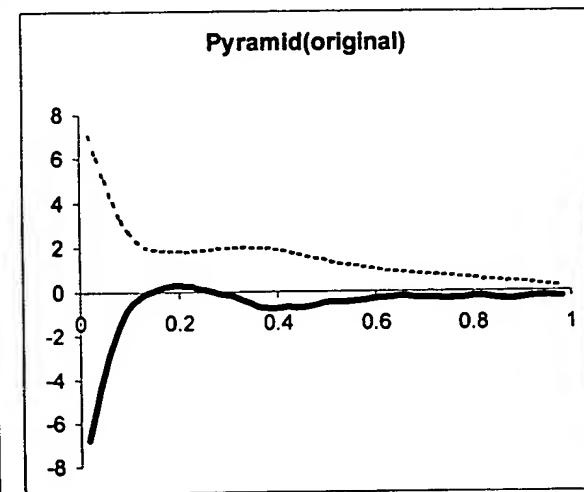
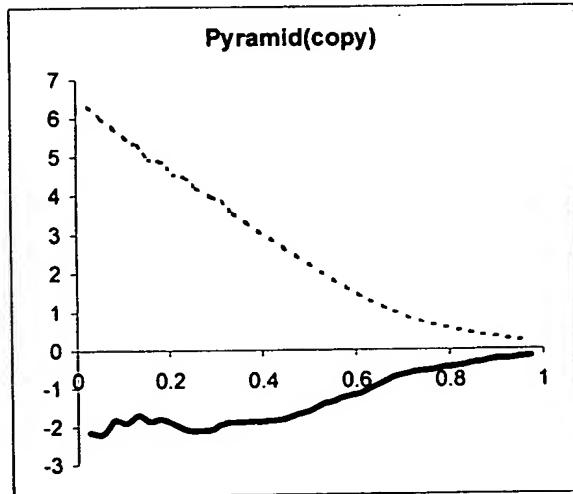
Figure 2a**Figure 2b**

Figure 2: The normalised Histogram Of The Derivative Image (HOTDI) (dotted line) and its first derivative (thick solid line) for a pyramid pattern :(a) original, (b) copy.

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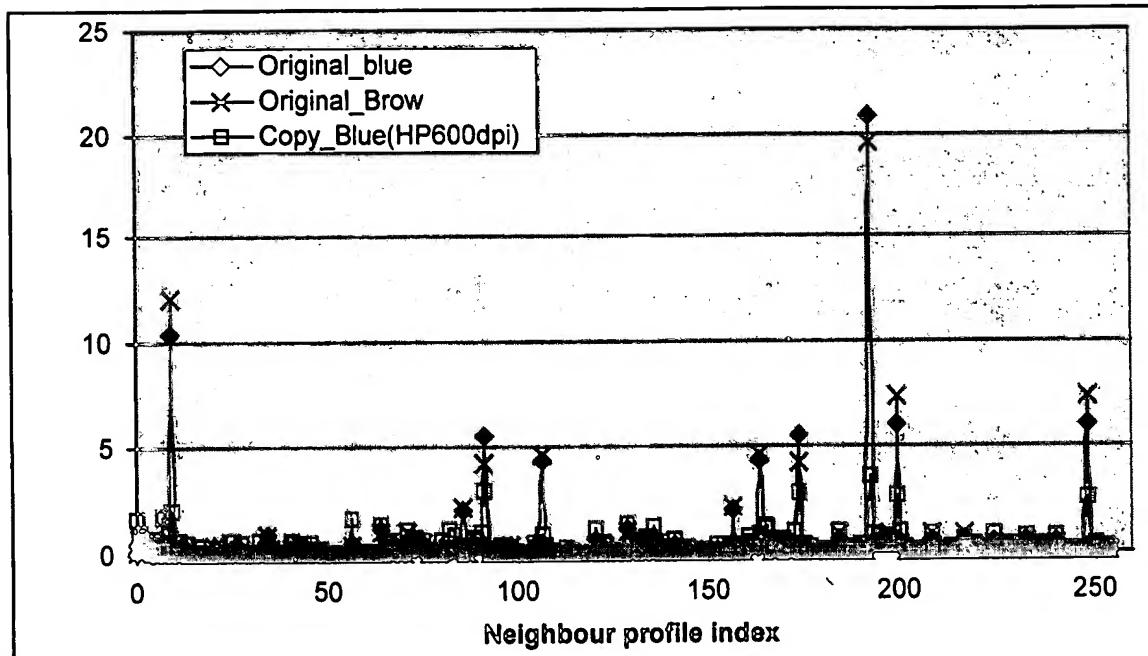


Figure 3a Results of neighbouring profile analysis (black pixel with black neighbours) for two original printings and a copy of the Tartan pattern. Peaks are at: 9; 91; 106; 163; 173; 192; 199 and 248

Figure 3b

4	128	32
1		8
2	64	16

Matrix used for neighbouring profile index: In the centre is the sample pixel.

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Figure 3c The neighbouring profiles corresponding to the 8 main peaks in Fig. 3a are (B and W represent black and white respectively):

W W W	W B W	B B W	B B B
B B B	W B W	B B W	B B B
W W W	W B W	B B W	WWW
Index=9	index=192	index=199	index=173

W B B	W W W	W W B	W B B
W B B	B B B	W B B	B B W
W B B	B B B	B B W	B W W
Index=248	index=91	index=106	index=163

Figure 3d

1	2	4
8	16	32
64		128
256	512	1024
2048	4096	8192

Alternative Matrix for Pixel
Configuration Index

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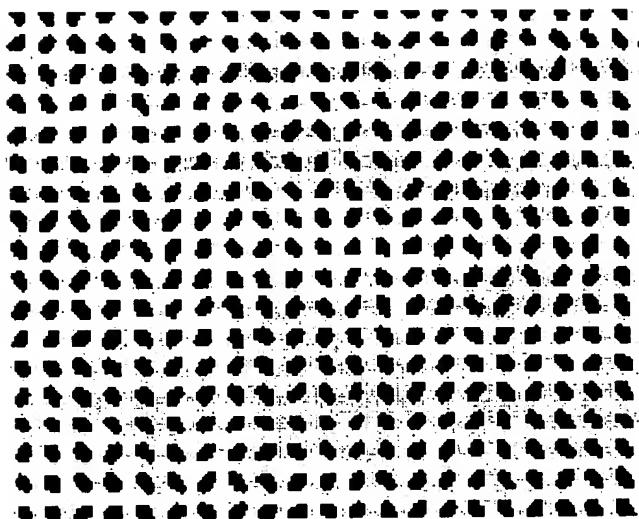


Figure. 4 (a) Glyph pattern

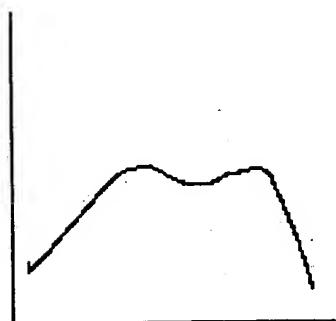


Figure 4(b) Histogram representing glyph quality

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